AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior listings of claims:

LISTING OF CLAIMS:

1-16. (Cancelled)

17. (Currently Amended) An apparatus, comprising:

granting means for granting a transmission capacity to a specific subscriber station ~~specifically~~;

transmitting means for transmitting capacity grant messages to at least one subscriber station;

monitoring means for monitoring capacity request messages received from the at least one subscriber station, capacity grant messages sent by a base station, and data transmissions received from the at least one subscriber stations, wherein at least one of the capacity request messages [[comprise]]comprises information based on previous capacity requests of the at least one subscriber station; and

avoiding means for avoiding mismatch between a granted capacity and data received from a subscriber station using information based on the capacity request messages, the capacity grant messages, and the received transmissions.

18. (Currently Amended) The apparatus of claim 24, wherein the at least one of the capacity request messages comprises an information message sent from the at least one subscriber station to a base station, wherein the at least one subscriber station provides

connectivity among user terminals and the base station ~~the monitor is configured to monitor data based on messages and transmissions using a memory table~~.

19. (Cancelled)

20-23. (Cancelled)

24. (Currently Amended) An apparatus, comprising:

a receiver configured to receive capacity request messages from at least one subscriber station; and

a processor configured to,

grant a transmission capacity to a specific subscriber station~~specifically~~,

transmit capacity grant messages to the at least one subscriber station, and

monitor request messages received from the at least one subscriber station ~~stations~~, capacity grant messages sent by a base station, and data transmissions received from the at least one subscriber station, wherein at least one of the capacity request messages comprises information based on previous capacity requests of the at least one subscriber station, and

wherein the processor is further configured to avoid a mismatch between a granted capacity and data received from a subscriber station using information based on the capacity request messages, capacity grant messages, and received transmissions.

25. (Previously Presented) An apparatus, comprising:

a transmitter configured to transmit capacity request messages of at least one connection; and

a processor configured to,

allocate connection-specifically a capacity granted by a base station,

transmit messages wherein the messages comprise information on previous capacity request messages ~~requests~~, and

transmit data from a subscriber station according to a capacity allocation made by the subscriber station.

26-55. (Canceled)

56. (Currently Amended) A method, comprising:

transmitting capacity request messages of at least one connection;

receiving capacity grant messages from a base station, the capacity grant messages monitored by the base station;

connection-specifically allocating a capacity granted by the base station;

transmitting messages, wherein the messages comprise information based on previous capacity requests of a subscriber station; and

transmitting data according to a capacity allocation made by the subscriber station.

57. (Cancelled)

58. (Previously Presented) The method of claim 56, wherein the transmitting comprises transmitting an update message that replaces at the base station a previous information connection-specifically.

59. (Previously Presented) The method of claim 56, wherein the transmitting comprises transmitting an update message that replaces information based on a need for bandwidth for a connection.

60. (Previously Presented) The method of claim 56, further comprising:

transmitting update messages comprising information based on previous capacity requests, wherein the update messages replace at the base station previous information on a connection.

61. (Currently Amended) A method, comprising:

granting a transmission capacity to a specific subscriber station ~~specifically~~;

transmitting capacity grant messages to at least one subscriber station; and

monitoring capacity request messages received from the at least one subscriber station, capacity grant messages sent by a base station, and data transmissions received from the at least one subscriber stations, wherein at least one of the capacity request messages comprises information based on previous capacity requests of the at least one subscriber station, and

wherein the monitoring comprises using information based on the capacity request messages, the capacity grant messages, and the received transmissions for avoiding a mismatch between a granted capacity and data received from a subscriber station.

62. (Previously Presented) The method of claim 61, further comprising:

monitoring data based on messages and transmissions using a memory table.

63. (Cancelled)

64. (Currently Amended) A computer program embodied on a non-transitory computer-readable medium, the computer program configured to control a processor to perform operations comprising:

transmitting capacity request messages of at least one connection;

receiving capacity grant messages from a base station, the capacity grant messages monitored by the base station;

connection-specifically allocating a capacity granted by the base station;

transmitting messages, wherein the messages comprise information based on previous capacity request messages ~~requests~~ of a subscriber station; and

transmitting data according to a capacity allocation made by the subscriber station.

65. (Previously Presented) The computer program of claim 64, further comprising:

transmitting update messages comprising information based on previous capacity requests, wherein the update messages replace at the base station previous information on a connection.

66. (Currently Amended) A computer program embodied on a non-transitory computer-readable medium, the computer program configured to control a processor to perform operations comprising:

transmitting capacity request messages of at least one connection;

granting a transmission capacity to a specific subscriber station ~~specifically~~;

transmitting capacity grant messages to at least one subscriber station; and

monitoring capacity request messages received from the at least one subscriber station, capacity grant messages sent by a base station, and data transmissions received from the at least one subscriber stations, wherein at least one of the capacity request messages comprises information based on previous capacity requests of the at least one subscriber station, and

wherein the monitoring comprises using information based on the capacity request messages, the capacity grant messages and the received transmissions for avoiding a mismatch between a granted capacity and data received from a subscriber station.

67. (Previously Presented) The computer program of claim 66, further comprising:

receiving update messages comprising information based on previous capacity requests, wherein the update messages replace previous information on a connection.

68. (Previously Presented) The apparatus of claim 17, wherein the monitoring means monitors data based on messages and transmissions using a memory table.

69. (Cancelled)

70. (Previously Presented) The apparatus of claim 17, further comprising:

fourth transmitting means for transmitting update messages comprising information based on previous capacity requests, wherein the update messages replace at the base station previous information on a connection.

71. (Previously Presented) The apparatus of claim 17, further comprising:

means for transmitting update messages comprising information based on previous capacity requests, wherein the update messages replace at the base station previous information on a connection.

72. (Previously Presented) The apparatus of claim 24, the processor further configured to avoid a mismatch between a granted capacity and data received from a subscriber station using information based on request messages, capacity grant messages, and received transmissions.

73. (Previously Presented) The apparatus of claim 25, wherein the transmitter is further configured to transmit update messages comprising information based on previous capacity requests, wherein the update messages replace at the base station previous information on a connection.

Claims 74-75 canceled.